ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Abdulnasir Shash	**06/17/03**	**03-0326**	**A**	(301) 925 0832	2009K	DEV

8. CCR Title: EDF SGI Hardware Upgrade

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 07/15/03
Abdulnasir Shash /s/ 06/17/03	**IN**	**CCR**	

13. Office Manager Signature/Date	14. Category of Change: EDF (RTSC)	15. Priority: (If "Emergency" fill in Block 27). Routine

16. Documentation/Drawings Impacted *(Review and submit checklist):*	17. Schedule Impact: Low	18. CI(s) Affected: CSS, DSS, DPS, TOOLKIT

19. Release Affected by this Change: 6A, 6B	20. Date due to Customer: 3	21. Estimated Cost: None - Under 100K

22. Source Reference: ☐NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☒Other:
SGI Challenge Replacement

23. Problem: (use additional Sheets if necessary)
SGI Challenge systems are no longer under maintenance and need to be replaced or retired.

24. Proposed Solution: (use additional sheets if necessary)
See attached.

25. Alternate Solution: (use additional sheets if necessary)
None.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Current SGI Power Challenge platforms are not covered under maintenance, so all failures will be resolved on an as-available basis.

27. Justification for Emergency (If Block 15 is "Emergency"):

28. Site(s) Affected: ☒EDF ☐PVC ☐VATC ☐EDC ☐GSFC ☐LaRC ☐NSIDC ☐SMC ☐AK ☐JPL
☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): Kevin Lang /s/ 6/18/03	Disposition: **Approved** App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #: 03-0429   Rev: — Originator: Abdulnasir Shash

Telephone: (301) 925 0832   **Office:** 2009K

Title of Change: EDF SGI Hardware Upgrade

PROPOSED SOLUTIONS:

NOTE: Before taking any of the machines off line, please contact Lou Swentek.

1) Replace current protog1 Challenge DM (EIN 1237, SS42834) and protog2 Challenge DM (EIN 1181, S42835) with new Origin 300 (EIN 20556, M2002742). Clone the disks from protog1 system retaining the name protog1.

2) Replace current f3spg01 Challenge DM (EIN 1233, S42577) and f3spg02 Challenge L (EIN 1102, S43192) with new Origin 300 (Rack EIN 20607). Clone the disks from f3spg01 to the new O300 retaining the name f3spg01. Move external disks from f3spg01 Challenge and match controller on new Origin 300. The system will remain at IRIX 6.5.14.

3) Replace current juror2 Challenge DM (EIN1202, S42833) and kidnaped (EIN1673, S51526) with new juror (EIN 20562, M2002743). Install as new Irix 6.5.17m baseline. Configure as a Compile Build platform for IDG/COTS with the 7.3.1.3m compilers. Additional software will be added by separate CCR.

4) Install new SGI Origin 300 (EIN 20555, M2002741) Configure as a new Public/Developer Compile Build platform with the name 'fairlane'. The platform will have IRIX 6.5.17 and the 7.3.1.3m compilers.

5) Unconfigure the old Challenge machines juror 2, kidnaped, protog1, protog2, hopi, comanche, cherokee, kickapoo, dr pepper, f3spg01, f3spg02, and f3icg01. Remove from the EDF.

6) Upgrade SCSI RAID on f3drg01 from 40x4 to 40x9. Attach the new RAID, create the new luns and xlvs, and clone the data. Unbind the old RAID and return to property.

7) For the SGIs running ClearCase 4.1, sebring and corvette, add the ClearCase 4.1 COTS patch "clearcase_p4.1-26".

8) Upgrade Camaro to the 6.5.17 Compile Build baseline with the 7.3.1.3m compilers.

9) Add an 18 GB internal drive to each Sebring and Corvette to use as a boot disk for the old OS and compiler configuration. Reuse 2 of the drives removed from p0acg05.
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